

POLYLACTIC ACID POLYMER COMPOSITION AND ITS MOLDED ITEM

Publication number: JP9272790
Publication date: 1997-10-21
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Classification:
- international: D01F6/62; B65D1/00; B65D1/09; B65D65/02; C08J5/00; C08L67/00; C08L101/16; D01F6/62; B65D1/00; B65D1/09; B65D65/02; C08J5/00; C08L67/00; C08L101/00; (IPC1-7): C08L67/00; B65D1/09; B65D65/02; C08J5/00; D01F6/62
- European:
Application number: JP19960083751 19960405
Priority number(s): JP19960083751 19960405

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Abstract of JP9272790

PROBLEM TO BE SOLVED: To solve the problems that polylactic acid, when rapidly cooled in, e.g. injection molding, becomes amorphous and gives a molded item which is distorted by its own wt. at temps. between the glass transition point (about 60 deg C) and the crystallization temp. (about 100 deg C) and has a poor resistance to heat distortion and that polylactic acid has a high melt viscosity and hence its production or processing is difficult. **SOLUTION:** This polymer compsn. is a mixture comprising 97-40wt.% crystalline polyester polymer obt'd. by the copolymn. of lactic acid as the main monomer and 1-30wt.% at least one comonomer selected from among X aliph. polyethers, maliph. polylactones, aliph. lactones aliph. polycarbonates, and their oligomers and 3-60wt.% polyester block copolymer comprising 97-50wt.% crystalline polyester segments formed from an aliph. dicarboxylic acid and a linear diol and 3-50wt.% polylactic acid segments.

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